IPC 7	FICATION OF SUBJECT MATTER H04L1/20 H04L1/18		
According to	o International Patent Classification (IPC) or to both national cla	assification and IDC	
	SEARCHED	assincation and ir C	
Minimum do IPC 7	ocumentation searched (classification system followed by class HO4L	sification symbols)	
Documentat	tion searched other than minimum documentation to the extent	that such documents are included in the fields so	earched
	ala base consulted during the international search (name of date ternal, WPI Data, PAJ, INSPEC	ala base and, where practical, search terms used))
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the	he relevant passages	Relevant to claim No.
Α .	US 2002/053058 A1 (KYUNG CHAN 2 May 2002 (2002-05-02) the whole document	HO ET AL)	1-12
Α	US 5 657 325 A (LOU HUI LING 12 August 1997 (1997-08-12) cited in the application the whole document	ET AL)	1-12
			·
Furti	her documents are listed in the continuation of box C.	X Patent family members are listed in	n annex.
 Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the International filing date but later than the priority date claimed 'T' tater document published after the international filing or priority date and not in conflict with the application cited to understand the principle or theory underlying invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is take cannot be considered to involve an inventive step when the document is cannot be considered to involve an inventive step when the document is cannot be considered to involve an inventive step when the document is cannot be considered to involve an inventive step when the document is cannot be considered to involve an inventive step when the document is cannot be considered to involve an inventive step when the document is cannot be considered to involve an inventive step when the document is cannot be considered novel or cannot be considered to involve an inventive step when the document is take to a particular relevance; the claimed invention cannot be considered novel or cannot be cons		the application but every underlying the claimed invention to be considered to cument is taken alone claimed invention ventive step when the ore other such docupus to a person skilled	
Date of the	actual completion of the international search	Date of mailing of the international sea	irch report
2	22 June 2004	06/07/2004	
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nt, Fax: (+31-70) 340-3016	Authorized officer Toumpoulidis, T	

					1	
`	Patent document cited in search report		Publication date		Patent family member(s)	Publication date
	US 2002053058	A1	02-05-2002	KR CN	2002034226 A 1351438 A	09-05-2002 29-05-2002
	US 5657325	A	12-08-1997	US US CA EP CA	5689439 A 6157612 A 2172320 A1 0735701 A2 2171998 A1	18-11-1997 05-12-2000 01-10-1996 02-10-1996 04-10-1996
				EP JP	0736979 A2 8288934 A	09-10-1996 01-11-1996